

CLAIM AMENDMENTS:

Claim 1 (Currently Amended): An optical apparatus for use on an object surface, comprising:

a semiconductor package structure ~~a frame disposed in the optical apparatus~~, having a first compartment and a second compartment, wherein the first compartment has a first opening and the second compartment has a second opening;

a light emitting device ~~disposed~~ bonded in the first compartment, wherein light emitted from the light emitting device passes through the first opening and is reflected by the object surface; and

an optical sensor ~~disposed~~ bonded in the second compartment, and receiving the light reflected ~~from the object surface passing~~ through the second opening from the object surface.

Claim 2 (Currently Amended): The optical apparatus as claimed in claim 1, ~~4~~ further comprising a light guiding element disposed in the first opening to guide the light in a specific direction.

Claim 3 (Currently Amended): The optical apparatus as claimed in claim 1, ~~4~~ further comprising a lens disposed in the second opening for guiding the light to the optical sensor.

Claim 4 (Currently Amended): The optical apparatus as claimed in claim 1, 4 further comprising a lens and a fixing mechanism, wherein the fixing mechanism has a third opening ~~where~~ in which the lens is disposed.

Claim 5 (Currently Amended): The optical apparatus as claimed in claim 1, wherein the light emitting device bonded in the first compartment is a surface mounted light emitting diode (LED).

Claim 6 (Original): The optical apparatus as claimed in claim 1, wherein the optical apparatus is an optical pointing device.

Claim 7 (Currently Amended): An optical apparatus for an object surface, comprising:

a semiconductor package structure ~~a frame disposed in the optical apparatus~~, having a first compartment and a second compartment, wherein the first compartment has a first and a third opening and the second compartment has a second opening;

a light emitting device disposed bonded in the third ~~compartment~~ opening, wherein light emitted from the light emitting device passes through the first opening and is reflected by the object surface; and

an optical sensor disposed in the second compartment, and receiving the light reflected ~~from the object surface~~ passing through the second opening from the object surface.

Claim 8 (Currently Amended): The optical apparatus as claimed in claim 7, 7 further comprising a light guiding element disposed in the first opening to guide the light in a specific direction.

Claim 9 (Currently Amended): The optical apparatus as claimed in claim 7, 7 further comprising a lens disposed in the second opening guiding the light to the optical sensor.

Claim 10 (Currently Amended): The optical apparatus as claimed in claim 7, 7 further comprising a lens and a fixing mechanism, wherein the fixing mechanism has a fourth opening ~~where~~ in which the lens is disposed.

Claim 11 (Currently Amended): The optical apparatus as claimed in claim 7, wherein the light emitting device bonded in the third opening is a packaged light emitting diode (LED).

Claim 12 (Original): The optical apparatus as claimed in claim 7, wherein the optical apparatus is an optical pointing device.